

L17 1 (noise environment\$4 background) same (duration length) same (((speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or phonem\$ or phonet\$ or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identif\$ or classif\$ or authenticat\$) or ASR or CSR or IWSR or ((speech or voice) adj text) or STT)) same (histogram) 2007/09/21 10:38 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

L18 9 ((FORM OR FORMING OR FORMED OR ENROLL\$) near2 REFERENC\$) same (DISTANCE OR DISSIMILAR\$ OR DIS-SIMILAR\$ OR DISTORTION) same ((REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID)) 2007/09/21 10:39 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

L19 2 (noise environment\$4 background) near2 (duration length) same (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or phonem\$ or phonet\$ or articulat\$ or sonic or sound or verbal\$ or oral) near2 (feature token) 2007/09/21 10:41 USPAT

L20 16 (noise environment\$4 background) same (duration length) same (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or phonem\$ or phonet\$ or articulat\$ or sonic or sound or verbal\$ or oral) same (histogram) 2007/09/21 10:42 USPAT

L22 26 ((REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID)) and (gain attenuat\$7) and ((UTTER\$7 OR PATTERN OR SAY OR SAID) near2 (signal adj noise snr)) 2007/09/21 11:22 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

L23 2 ((REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR SAY OR SAID)) and (gain attenuat\$7) and (((REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR SAY OR SAID)) same (signal adj noise snr)) 2007/09/21 11:25 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

L24 11 ((REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR SAY OR SAID)) and (gain attenuat\$7) and ((UTTER\$7 OR SAY OR SAID) same (signal adj noise snr)) 2007/09/21 11:26 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

S165 0 (timer hangover hang-over) and HISTO\$ and ((preamplif\$4 near4 (gain attenuat\$6)) near4 (up and down)) 2007/10/02 07:20 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

S166 63 (timer hangover hang-over) and histogra\$ and ((gain attenuat\$6) near4 ((DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4))) 2007/10/02 07:21 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

S167 159 (timer hangover hang-over) and histogra\$ and ((\$3gain \$3attenuat\$6 \$3amplif\$7) near4 ((DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4))) 2007/10/02 07:23 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

S169 3 ((speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identif\$ or classif\$ or authenticat\$) or ASR or CSR or IWSR or ((speech or voice) adj text) or STT) and histogra\$ near4 (compar\$7 match\$7) and ((\$3gain \$3attenuat\$6 \$3amplif\$7) near4 ((DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4))) 2007/10/02 07:29 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

S171 0 ((echo reverberat\$4 noise background environment) near2 (cancel\$7 suppress\$7)) and (compar\$7 match\$7) and (timer hangover hang-over) near4 ((\$3gain \$3attenuat\$6 \$3amplif\$7) near4 ((DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4))) 2007/10/02 07:34 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

S176 57 (compar\$7 match\$7).ti,ab,clm. and (timer hangover hang-over).ti,ab,clm. and ((\$3gain \$3attenuat\$6 \$3amplif\$7) near4 ((DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4))).ti,ab,clm. 2007/10/02 07:43 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

S173 12 (saturat\$7 clip\$5) and (compar\$7 match\$7).ti,ab,clm. and (timer hangover hang-over).ti,ab,clm. and ((\$3gain \$3attenuat\$6 \$3amplif\$7) near4 ((DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4))).ti,ab,clm. 2007/10/02 07:44 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

S174 19 sorqvist\$ "20030091180" 2003/0091180\$ 2007/10/02 08:34 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

S120 5 (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral).ti,ab,clm. and (saturat\$7).ti,ab,clm. and (threshold).ti,ab,clm. and (gain near2 amplifi\$7).ti,ab,clm. and ((gain or attenuat\$4 or amplifi\$7) near2 ((DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4))).ti,ab,clm.
2007/09/21 09:02

S121 11 (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral).ti,ab,clm. and (saturat\$7).ti,ab,clm. and (threshold).ti,ab,clm. and (gain near2 amplifi\$7).ti,ab,clm. and ((gain or attenuat\$4 or amplifi\$7) and ((DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4))).ti,ab,clm. 2007/09/21 09:03

S119 3 saturat\$7 and (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral).ti,ab,clm. same (threshold).ti,ab,clm. same (gain near2 amplifi\$7).ti,ab,clm. same ((DECREAS\$4 down less\$4 lower\$4) same (increas\$4 up higher rais\$4)).ti,ab,clm. 2007/09/21 09:06

S122 48 (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral) and (saturat\$7) same (threshold) same (gain near2 amplifi\$7) same ((DECREAS\$4 down less\$4 lower\$4) same (increas\$4 up higher rais\$4)) 2007/09/21 09:19

S123 1 (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identif\$ or classif\$ or authenticat\$) or ASR or CSR or IWSR or ((speech or voice) adj text) or STT) and (saturat\$7) same (threshold) same (gain near2 amplifi\$7) same ((DECREAS\$4 down less\$4 lower\$4) same (increas\$4 up higher rais\$4)) 2007/09/21 09:37

S124 25 (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identif\$ or classif\$ or authenticat\$) or ASR or CSR or IWSR or ((speech or voice) adj text) or STT) and (saturat\$7) same (threshold) and (gain near2 amplifi\$7) same ((DECREAS\$4 down less\$4 lower\$4) same (increas\$4 up higher rais\$4)) 2007/09/21 09:39

S125 43 (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identif\$ or classif\$ or authenticat\$) or ASR or CSR or IWSR or ((speech or voice) adj text) or STT) and (saturat\$7) same (threshold) and (gain near2 amplifi\$7) same ((DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4)) 2007/09/21 09:40

L3 37 ((REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID)) same prompt\$7 and (duration length) and (gain attenuat\$7) 2007/09/21 10:37 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

L1 35 ((REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID)) same (three third) same prompt\$7 2007/09/21 10:37 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

L15 35 ((DISTANCE OR DISSIMILAR\$ OR DIS-SIMILAR\$ OR DISTORTION or CLOSENESS OR SIMILARITY) same (SUBSTITUT\$ OR REPLAC\$) same (features! token reference)) and (((speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or phonem\$ or phonet\$ or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identif\$ or classif\$ or authenticat\$) or ASR or CSR or IWSR or ((speech or voice) adj text) or STT)) and ((REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID)) 2007/09/21 10:37 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB

L4 11 ((REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID)) same prompt\$7 and (duration length) and (gain attenuat\$7) and (((REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID)) same (three third) same prompt\$7) 2007/09/21 11:19 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB